

1 PROJECT NO. 0010533184 SUBJECT: 1462/DEH/Sulfur Epoxy DATE:

Objective: For evaluation in cyclone project [adhesion to polyimide & various circuits by al Pacius ATC]

5 Reference:

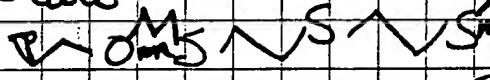

	control	40% silica 2% silane	
EPON 1462	10g	10g	} a larger batch of 49B was made & given to al Pacius for additional testing
DEH 85	1g	1g	
KG Epoxy ①	2g	2g	
LE-05 Silstar silica ④	—	8.67g	
3-glycidypropyltrimethoxysilane ②	—	2.66g	40% by wt.
2E-4-methylimidazole	.54g	.54g	2% by wt.
			4% by wt.

15 the were prepared the same as 118288-39D & were poured in paper containers & frozen for use by al Pacius. also DSC cured each

	DSC cure further	1st heat	2nd heat	
41A*	127°C 71 cal/g	1.6 cal/g 117°C***	120°C	} this larger batch used KG epoxy ③ 118966-23 (4g)
41A**	127°C 71 cal/g	1.2 cal/g 126°C***	124°C	
41B*	128°C 57 cal/g	.7 cal/g 109°C	107°C	
41B**	128°C 57 cal/g	.8 cal/g 112°C	110°C	
41C	128°C 66 cal/g	58 cal/g 106°C		} 40g of 41C frozen for later use
	2nd heat T <sub>g</sub> = 100°C			

\* All samples were cured in sealed DSC pans.

30 \*\*\* see 118288-38\* for explanation of T<sub>g</sub> occurring during cure

① 117883-90  ④ From Nippon Lot 9 ② From Aldrich 44016-7 ③ 118966-23  1st batch

	41C	pure
EPON 1462	30g	the same
DEH 85	3g	as 41A
KG Epoxy ③	6g	41B
Silane ②	1.625g	
4% by wt silica LE-05 ④	2.6g	4%

Also 1.625g 2E-4M imidazole

AUTHOR'S FULL NAME or INITIALS

DATE:

WITNESS'S FULL NAME or INITIALS

DATE:

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